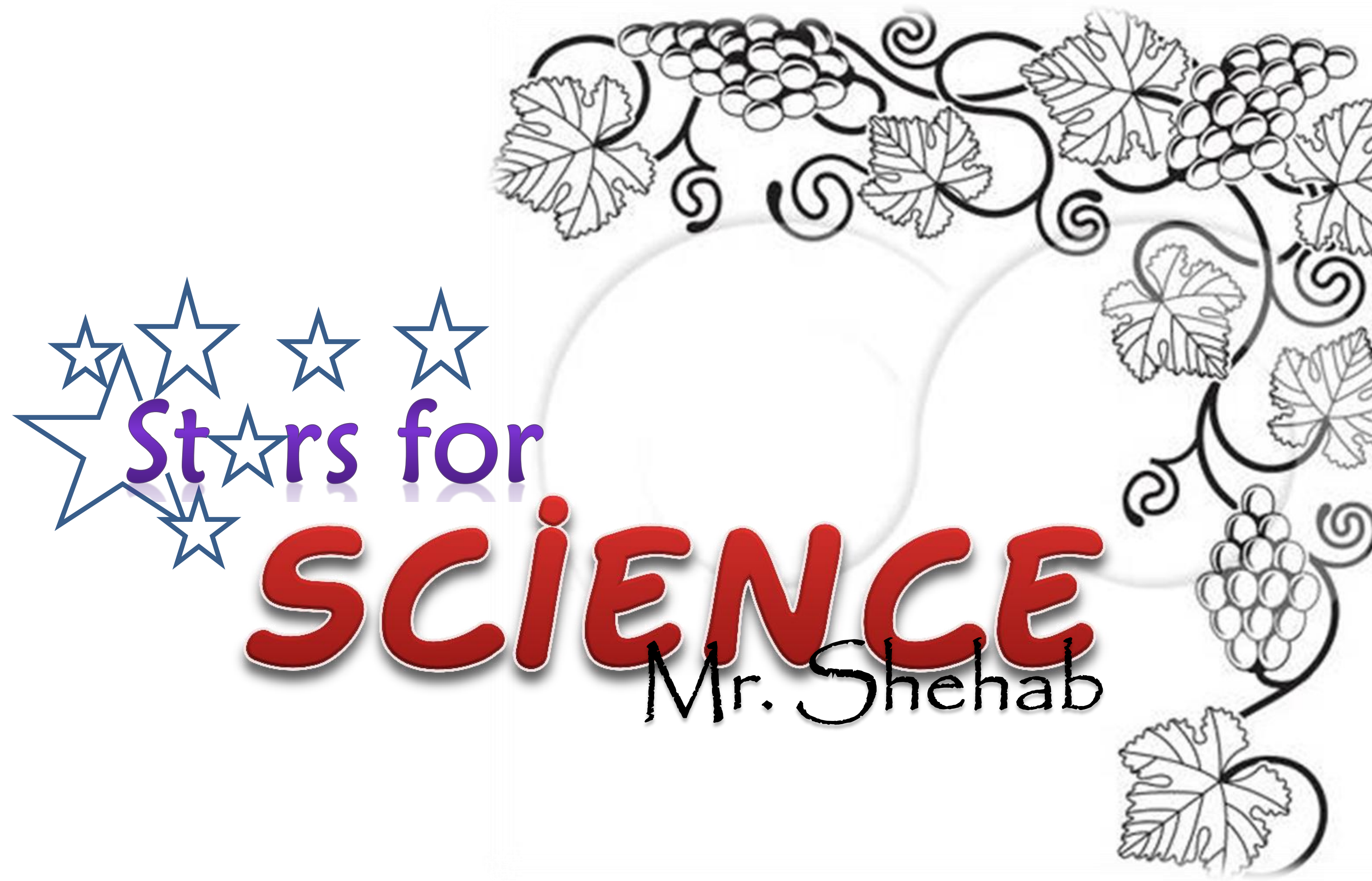


Primary 4

Vocabluary & Homework

Prepared by:

Mr. Shehab

Name : ....

Grade : ....

Class : ....

مادة	كتلة	حجم	كِميَّة	جِسم
matter	mass	volume	amount	object
matter	mass	volume	amount	object

يشغل/ يحتل	حيز/ فراغ	يسمي	أداة	قياس
occupy	space	called	tool	measuring
occupy	space	called	tool	measuring

طول length	الميزان حساس sensitive balance	الميزان المعتاد (ذو الكفتين) common balance
length	sensitive balance	common balance

مجوهرات	مصطلح علمي	شريط مدرج
jewellery	scientific term	graduated tape
jewellery	scientific term	graduated tape

1. Write the following words in English.

مجوهرات	______	طول	______
يشغل	______	كمية	______
مادة	______	قياس	______
يسمي	______	حجم	______
أداة	______	جسم	______
كتلة	______	فراغ	______
		شريط مدرج	______
		الميزان الحساس	______
		مصطلح علمي	______
		الميزان المعتاد	______

Mistaken words

______

______

______

2. Write the following words in Arabic.

called .... volume ....

matter .... amount ....

space .... measuring ....

tool .... length ....

jewellery .... object ....

occupy .... mass ....

graduated tape ....

sensitive balance ....

scientific term ....

common balance ....

Mistaken words

Homework

1. Write the scientific term:

a. A tool used to measure the length of an object. (……………….)

b. It is everything that has a volume and mass. (……………….)

c. The amount of matter that object contains. (……………….)

d. It is the space that is occupied by the object. (……………….)

e. A tool that measures small masse (……………….)

2. Complete:

a. Measuring tape is used for measuring ……………………….

b. Matter has ……………… and ………………….

c. kilogram is a unit for measuring ………………………….

d. Everything that occupies a space and has a mass is called ……………….

e. Common balance is used for measuring …………………….

f. ……………… is the amount of matter that the object contains.

3. Choose the correct answer:

1. We measure jewelry by using ………………

a. sensitive balance b. common balance c. measuring ruler

2. Milk has …………….

a. length b. volume c. mass d. (b) and (c)

3. The space occupied by matter is known as …………………

a. length b. volume c. mass d. (a) and (b)

صلب	حجر	سائل	مخبار مدرج
solid	stone	liquid	graduate cylinder
solid	stone	liquid	graduate cylinder

عرض	ارتفاع	منتظم	غير منتظم	أفقي
width	height	regular	irregular	horizontal
width	height	regular	irregular	horizontal

يذوب	مادة	مادة	مختلف	نفس
dissolve	material	substance	different	same
dissolve	material	substance	different	same

زيت oil	يرتفع raise	بأكمله completely	سُكِب poured out	بلية marble
oil	raise	completely	poured out	marble

1. Write the following words in English.

ارتفاع	____________	سائل	____________
مادة	____________	يذوب	____________
مادة	____________	عرض	____________
منتظم	____________	مختلف	____________
أفقي	____________	صلب	____________
حجر	____________	بأكمله	____________
نفس	____________	يرتفع	____________
بلية	____________	سُكِبَ	____________
زيت	____________	غير منتظم	____________
		مخبار مدرج	____________

Mistaken words

____

____

____

2. Write the following words in Arabic.

solid .... regular ....
width .... dissolve ....
stone .... different ....
same .... material ....
liquid .... irregular ....
raise .... horizontal ....
height .... substance ....
marble........... completely ....
poured out ....
graduated cylinder ....

Mistaken words

Homework

1- Choose the correct answer:

1. A stone is put in a jar containing 50 cm^3 of water, water level raises up to 80 cm^3, so the volume of the stone equals ....

a. 20 cm^3 b. 30 cm^3 c. 50 cm^3 d. 80 cm^3

2. Your classmate placed a piece of iron is put into a 70 cm^3 beaker filled completely by water, so that a quantity of water volume 50 cm^3 is poured out the beaker. The volume of this piece equals.............

a. 20cm^3 b. 30cm^3 c. 50cm^3 d. 70cm^3

3. The volume of a solid material is measured by.....................

a. cm b. cm^2 c. m^3 d. meter

5. A pupil placed four marbles of equal volume in 100 cm^3 graduated cylinder containing water. The water level raised up to 120cm^3, what is the volume of each marble?

a. 5 cm^3 b. 20 cm^3 c. 25 cm^3 d. 35 cm^3

2. Give reason:

a. Air is a matter.

....

b. The car has volume.

....

c. Book is a matter.

....

3. Complete:

a. Equal volumes of different materials have different ....

b. Cubic centimeter is the unit of measuring ....

c. ....is used to estimate Volume of Liquids.

d. Measuring units of volume ...., ..., ... and ....

e. .... is a tool used for measuring the volume of irregular solid bodies.

f. The mass of equal volumes of different materials are ....

g. Graduated cylinder is used for ....

4. Calculate the volume of a cuboid whose length is 4 cm, its width 5 cm and it height equals 2cm .

....

....

5. Volume of box = ... × .... × ....

= .... cm^3

8 cm
5 cm
2 cm

Homework

1. Write the scientific term:

1. A tool used to measure the mass of any object. (.............)
2. Tool used to measure the length of objects. (....................)
3. The amount of the material that the object contains. (........)
4. A unit used to measure the small lengths. (.............)
5. Anything that occupies a space and has mass. (.............)
6. It is the space that is occupied by the object. (.............)

2. Correct the underlined word:

1. The <u>graduated tape</u> is used to measure the mass of fruits and vegetables. (..........................)
2. Common balance is used to measure the <u>volume</u>. (............)
3. <u>Graduated ruler</u> is used to determine the volume of irregular small stone. (..........................)
4. The mass of equal volumes of different materials is <u>equal</u>. (...................)
5. The space that occupied by a matter is <u>mass</u>. (..............)
6. The graduated ruler is used to measure the <u>mass</u>. (..........................)

3. Complete the following sentences:

1. Equal masses of different substances have .... volumes.
2. The liter unit is used to measure the .... of liquids.
3. The Volume of the brick (Cuboid) = ... × .... × ....
4. Common balance is used to measure ....
5. Measuring tape is used for measuring ....
6. Cubic meter is the measuring unit of ....
7. The space taken by an object is called ....
8. Equal volumes of different substances have .... masses.
9. The types of balances are .... and ....
10. Graduated ruler is used to measure ....
11. Graduated cylinder is used to measure.....................
12. Oxygen gas occupies a space, so it has a ....

4. Give reason for each of the following:

1. The book has a volume.

....

2. A pen is a matter.

....

5. Calculate the volume of a cuboid whose length is 4 cm, its width 3 cm and it height equals 1 cm .

....

....

6. Choose the correct answer:

1. A stone is put in a jar containing 40 cm^3 of water, water level raises up to 90 cm^3, so the volume of the stone equals...........

a. 20 cm^3 b. 30 cm^3 c. 50 cm^3 d. 80 cm^3

2. The volume of solid material is measured by ....

a. m b. cm c. cm^2 d. cm^3

3. Your classmate placed a piece of iron is put into a 80 cm^3 beaker filled completely by water, so that a quantity of water volume 30 cm^3 is poured out the beaker.
The volume of this piece equals.............

a. 20cm^3 b. 30cm^3 c. 50cm^3 d. 70cm^3

4. We can determine the volume of irregular small stone that doesn't dissolve in water by using ....

a. Graduated ruler b. Sensitive balance
c. Graduated cylinder d. common balance

5. From the measuring tools of mass ....

a. Graduated tape b. Sensitive balance
c. Graduated cylinder d. Conical flask

6. The space that is occupied by the object is ....

a. volume b. mass c. length d. matter

حالة state	غازية gaseous	محدد definite	غير محدد indefinite	شكل shape
state	gaseous	definite	indefinite	shape

إناء / وعاء container	حديد iron	خشب wood	ملح salt	بنزين petrol	لبن milk
container	iron	wood	salt	petrol	milk

أكسجين oxygen	بخار ماء water vapour	مضغوط pressed	ما عدا except	كلا من both
oxygen	water vapour	pressed	except	both

1. Write the following words in English.

خشب	______	شكل	______
حالة	______	ملح	______
أكسجين	______	غازية	______
ما عدا	______	مضغوط	______
محدد	______	حديد	______
وعاء	______	كلا من	______
بنزين	______	لبن	______
		غير محدد	______
		بخار ماء	______

Mistaken words

______

______

______

2. Write the following words in Arabic.

shape .... salt ....
petrol .... milk ....
wood .... iron ....
except .... both ....
definite .... state ....
pressed .... gaseous ....
oxygen .... indefinite ....
container ....
water vapour ....

Mistaken words

Homework

1. Complete the following sentences:

1. There are a definite shape and volume in ………… state.
2. Iron and ………..are examples of the solid matter.
3. Liquid have ……….. volumes and don't have definite ………..
4. Water and …………..are examples of the liquid matter.
5. The matter can be pressed in ………………state
6. States of matter are …………, …………. and …………
7. In the …………… matter, the volume and shape don't change.
8. Oxygen, ……….. and ……….. are considered gaseous matter.

2. Write the scientific term:

1. A state of matter that has indefinite shape and volume. (…………..)
2. It takes the shape and volume of the container. (……………….)
3. A matter characterized by having a definite volume but it takes the shape of its container. (……………….)
4. A state of matter that has definite shape and volume. (……………….)

3. Correct the underlined word:

1. Oxygen gas has a <u>definite</u> shape and volume. (…………….)
2. There are <u>four</u> states of matter. (…………….)
3. Water, oil and milk are <u>solid</u>. (…………….)
4. Milk has a definite volume and a <u>definite</u> shape. (…………….)

4. Choose the correct answer:

1. …… is one of the liquids.

a. Salt b. Wood c. Iron d. Oil

2. Matter has ……………………state

a. one b. two c. three d. four

3. ………….is one of the liquids.

a. salt b. iron c. benzene. d. wood

4. Solids and liquids have definite ………….

a. shape b. volume c. shape and volume d. texture

5. All of these substances have definite shape and volume **except** …………………..

a. water b. wood c. sugar d. iron

5. Give reason for each of the following:

1. Water is a liquid matter

……………………………………………………………………………………

2. Oxygen is a gaseous matter

……………………………………………………………………………………

3. Iron is a solid matter.

……………………………………………………………………………………

انصهار melting	تجمد freezing	تكثف condensation	تبخر evaporation
melting	freezing	condensation	evaporation

تحول / تغير change	تسخين heating	تبريد cooling	صناعات industries	غليان boiling
change	heating	cooling	industries	boiling

سطح	تكون	ينفجر	يقل	عملية
surface	forming	explode	decrease	process
surface	forming	explode	decrease	process

1. Write the following words in English.

______	انصهار	______	تبريد
______	صناعات	______	تحول
______	ينفجر	______	تكثف
______	عملية	______	سطح
______	تسخين	______	يقل
______	تجمد	______	تكون
______	غليان	______	تبخر

Mistaken words

______

______

______

2. Write the following words in Arabic.

process .... cooling ....

freezing .... explode ....

surface .... decrease ....

forming .... boiling ....

melting .... change ....

heating .... industries ....

condensation ....

evaporation ....

Mistaken words

Homework

1. Complete:

1. When boiling water it changes from ………………… state into ………………. state.
2. Condensation is the change of matter from the .... state to the .... state.
3. The transfer of matter from liquid state to gaseous state is called …………….
4. Matter can be changed from one state to another by .... or ....
5. The change of water from the liquid state into ice is called …………. process.
6. Melting is the change of matter from ………………… state to ………………. state.

2. Write the scientific term:

1. The change of matter from liquid state to gas state. (................)
2. The Change of matter from liquid state to solid state. (................)
3. The change of matter from the solid state to liquid state (........................)
4. The change of matter from the gaseous state to the liquid state. (........................)
5. The transfer of water into ice by cooling. (……………………..)

3. Correct the underlined word:

1. When water <u>freezes</u>, it changes into water vapour. (............)
2. <u>Condensation</u> is the change of matter from the liquid state to the solid state. (............................)
3. <u>Melting</u> is the transformation of matter from the liquid state to the gaseous state. (............................)

4. Choose the correct answer:

1. Cooling is accompanied with .... process

a. Melting b. Condensation c. evaporation d. (a) and (b)

2. Gold industries need .... process

a. Melting then cooling b. Condensation then cooling
c. evaporation then cooling d. Cooling then melting

3. On decreasing the temperature of water vapour, it ....

a. melts b. freezes c. condenses d. evaporates

4. The change of water from the liquid state into ice is accompanied with:

a. an increase in mass b. an evaporation
c. an increase in temperature d. a decrease in temperature

5. When water vapour is received on a cold surface, it ....

a. evaporates b. condenses c. melts d. freezes

6. The change of matter from the liquid state into the gaseous state is called:

a. condensation b. evaporation c. melting d. freezing

5. Give reasons for:

1. The appearance of water droplets on the cars and leaves in the early morning.

....

....

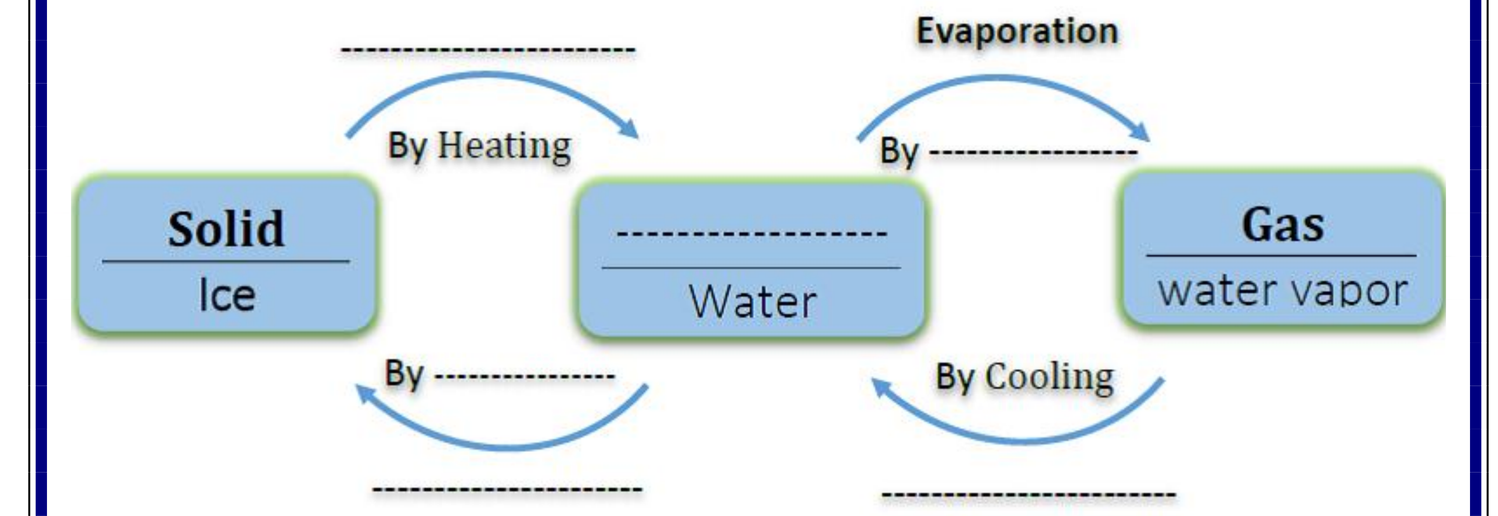
2.The glass which is put in the freezer shouldn't be full of water

....

3.The amount of water keeps decreased as long as you are heating

....

6. Complete:



Homework

1. Complete:

1. Melting is the change of matter from …… state to …… state
2. Common balance is used for measuring ……………..,
   while measuring tape is used for measuring ………………..
3. The change of water from the liquid state into ice
   is called ……….. process.
4. Matter has …………and ………….
5. States of matter are ……………., ……………. and ……………..
6. On decreasing the temperature of water vapour it ………..
7. There are a definite shape and a definite volume in …… state
8. When boiling water it changes from ………………… state
   into …………………. state.
9. Meter is the unit of measuring ……………, while kilogram is
   a unit for measuring ………………..
10. The length can measure by some units as ……….or ……….
11. On transferring water from one pot to another,
    its shape …………………..
12. The transfer of matter from liquid state to gaseous state
    is called ………………
13. …………………..measures the volume of liquids and irregular
    solid substance.

2. Choose the correct answer:

1. Cooling is accompanied with …………. Process.
(Melting – evaporation – condensation)

2. The measuring unit of length is …………….
(Ruler – liter – kilogram - centimeter)

3. Water vapour is an example for ……………. state
(Gaseous – liquid – solid)

4. On decreasing the temperature of water vapour, it ………….
(Melts – freezes – condenses)

5. When a piece of stone is put in a jar containing 40 cm^3 of water, the water level raises to 50 cm^3, so the volume of the stone equals …… (90 cm^3 - 10 cm^3 - 50 cm^3 - 40 cm^3)

6. The change of matter from liquid state into gaseous state is called ....
(Condensation – evaporation – melting – freezing)

7. The volume of a solid material is measured by………….
(cm - cm^2 - m^2 - cm^3)

8. When a piece of iron is put in a 50 cm^3 beaker filled completely by water, so that a quantity of water volume 20 cm^3 is poured out the beaker. The volume of this piece equals………… (20 cm^3 - 30 cm^3 - 50 cm^3 - 70 cm^3)

3. Write the scientific term:

1. The state of matter that has definite shape and volume.
2. The change of matter from liquid state to gas state.
3. The amount of matter that the body contains.
4. Everything that has mass and occupies a space.
5. A balance used to measure the mass of jewels.
6. A change of matter from liquid state to solid state by cooling
7. A unit used to measure the small masses.
8. The change of matter from gaseous state to liquid state.
9. The change of matter from the solid state to liquid state

4. Put (√) or (×) and correct the wrong:

1. Freezing is a change of solid matter to liquid state.
2. Graduated cylinder is one of the measuring tools of volume.
3. Liquid matter has definite shape and volume.
4. Sensitive balance is used to measure the mass of jewels.
5. On rising up the temperature of a piece of wax it melts.

5. Correct the underlined word:

1. Matter has <u>two</u> states.
2. The mass of equal volumes of different materials is <u>equal</u>.
3. Common balance is used to measure the <u>volume</u>.
4. The space that occupied by a matter is <u>mass</u>.
5. <u>Gases</u> have definite shape and definite volume.
6. The graduated ruler is used to measure the <u>mass</u>.
7. Water and oil are <u>solids</u>.
8. <u>Graduated ruler</u> is used to determine the volume of irregular small stone.
9. The <u>graduated tape</u> is used to measure the mass of fruits and vegetables.

6. Give reasons for:

1. Wood has definite volume and definite shape.

....

2. A book is a matter.

....

3. Water is a liquid matter.

....

4. Air has indefinite volume and indefinite shape.

....

عنصر element	أبسط simplest	صورة form	تحليل decomposed	فلزات/ معادن metals
element	simplest	form	decomposed	metals

نحاس copper	ألومنيوم aluminum	فضة silver	زئبق mercury	كبريت sulphur
copper	aluminum	silver	mercury	sulphur

كربون carbon	بروم bromine	بريق luster	موصل conductor	كهرباء electricity
carbon	bromine	luster	conductor	electricity

حرارة heat	الثني bent	الطرق hammered	قابل للطرق malleable	قابل للسحب ductile
heat	bent	hammered	malleable	ductile

1. Write the following words in English.

كبريت	______	فلزات	______
كهرباء	______	نحاس	______
عنصر	______	الطرق	______
حرارة	______	بروم	______
قابل للسحب	______	أبسط	______
كربون	______	زئبق	______
صورة	______	بريق	______
موصل	______	تحليل	______
قابل للطرق	______	الثني	______
فضة	______	صورة	______

Mistaken words

______

______

______

2. Write the following words in Arabic.

sulphur	....	heat	....
copper	....	bent	....
carbon	....	form	....
ductile	....	silver	....
metals	....	luster	....
element	....	malleable	....
simplest	....	electricity	....
mercury	....	aluminum	....
bromine	....	conductor	....

hammered ....

decomposed ....

Mistaken words

Homework

1. Complete the following sentences:

1. Elements are classified into .... and ....
2. Metals are good conductors of .... and ....
3. .... is the building unit of matter.
4. The group of elements that have luster is known as ....
5. .... is a liquid metal, while .... is a liquid non-metal.
6. All non-metals are .... Conductors of electricity except ....
7. The group of elements that doesn't have luster is known as ....

2. Write the scientific term:

1. Non-metal is a good conductor of electricity. (..................)
2. It is the simplest form of matter that can't be decomposed into two substances or more. (..................)
3. Elements that are bad conductors of heat. (..................)
4. Elements that have low melting point. (..................)
5. Elements which can be bent, hammered, and are good conductors of heat and electricity. (..................)
6. The only liquid metal at room temperature. (..................)

3. Correct the underlined word:

1. Mercury is a liquid non-metal.
2. Sulphur is a non-metal element that good conductor of electricity.
3. All metals are solid elements in normal temperature except bromine.
4. Metals are bad conductors of heat and electricity.

4. Choose the correct answer:

1. All the following elements are good conductors of electricity except …………

a. Carbon   b. Iron   c. Sulphur   d. Copper

2. All the following are metals except ....

a. copper   b. carbon   c. aluminium   d. iron

3. All metals are solids at room temperature except ....

a. copper   b. carbon   c. mercury   d. gold

4. .... is an example of non-metals.

a. Copper   b. Carbon   c. Aluminium   d. Iron

5. .... is the liquid nonmetal.

a. Copper   b. Iron   c. Mercury   d. Bromine

أهمية importance	صنع making	أواني الطهي cooking pots	تماثيل statues
importance	making	cooking pots	statues

أسلاك الكهرباء electric wires	عملات معدنية coins	موجب positive	أقطاب poles	البطارية dry cell
electric wires	coins	positive	poles	dry cell

1. Write the following words in English.

عملات معدنية ____________________

أسلاك الكهرباء ____________________

أواني الطهي ____________________

الأقطاب الموجبة ____________________

البطارية ____________________

صنع ____________________

أهمية ____________________

تماثيل ____________________

Mistaken words

____

____

____

2. Write the following words in Arabic:

cooking pots ....

dry cell ....

importance ....

making ....

positive poles ....

statues ....

electric wires ....

coins ....

Mistaken words

Homework

1. Complete the following sentences:

1. The group of elements that have luster is known as ....
2. We use .... in manufacturing bridges.
3. All the materials you see in your environment are made up of ....
4. The group of elements that doesn't have luster is known as ....
4. We use .... in manufacturing jewels.
5. Poles of electric cells are made up of ....

2. Choose the correct answer:

1. Gold and silver are used in manufacturing ....

a. Bridges b. planes c. jewels

2. .... is used in making bridges and lamp-posts.

a. copper b. carbon c. iron

3. Electric wires are made up of ....

a. sulphur b. Carbon c. Cooper

4. Statues are made up of ....

a. Copper b. Sulphur c. Carbon

5. Cooking pots are made of ....

a. aluminium b. Iron c. sulphur

3. Give one use for each of the following:

1. Iron:

....

2. Gold and silver:

....

3. Copper:

....

4. Carbon:

....

5. Mercury:

....

6. Aluminium:

....



Homework

1. Complete:

1. Using ………………. in manufacturing jewels.
2. Copper and graphite are good conductors of …………………..
3. Cooking pots are made of …………, While handles of cooking pots are made of ………………….
4. ………… is a liquid metal, While ………… is a liquid non-metal.
5. Poles of electric cells are made up of ……………………….
6. Metals have ……….. melting point, but………………… have low melting point.
7. All non-metals are …………….conductors of electricit except ……………….

2. Choose the correct answer:

1. Electric wires are made up of ………………

   (Sulphur – Oxygen – copper)
2. All metals are solids at room temperature except…………..

   (Iron – mercury – Gold – bromine)
3. An example of non-metal is …………………

   (Copper – aluminum – Sulphur)

3. Give reasons:

1. Handles of cooking pots are made up of wood.

....

2. Aluminum is used in making cooking pots.

....

3. Carbon (graphite) is used as positive pole in dry cell.

....

4. Write the Scientific term:

1. Elements have low boiling point and cannot be bent.
2. Metal is used in making electric wires.
3. The simplest of matter that cannot be decomposed into two substances or more.
4. Non-metal is a good conductor of electricity.

5. Correct the underline words:

1. Mercury is a liquid non-metal.
2. Metals are bad conductors of heat and electricity.
3. Non-metals can found in two states.
4. Cooking pots are made of wood.
5. Positive pole in dry cell is made of plastic.

فيزيائي	كيميائي	تغير	شكل / مظهر	شكل
physical	chemical	change	appearance	shape
physical	chemical	change	appearance	shape

بدون without	التركيب structure	دورة الثلج ice cycling	شمع wax	صدأ الحديد iron rust
without	structure	ice cycling	wax	iron rust

حرق burning	حرق combustion	تعفن rotten	تخمر / تعفن fermentation	رماد ash
burning	combustion	rotten	fermentation	ash

1. Write the following words in English.

شمع ____________ تغير كيميائي ____________

حرق ____________ حرق ____________

فيزيائي ____________ مظهر ____________

رماد ____________ تغير فيزيائي ____________

تخمر/ تعفن ____________ شكل ____________

صدأ الحديد ____________ بدون ____________

التركيب ____________ كيميائي ____________

دورة الثلج ____________

Mistaken words

____

____

____

2. Write the following words in Arabic.

physical	....	appearance	....
wax	....	iron rust	....
burning	....	ice cycling	....
ash	....	combustion	....
shape	....	chemical	....
change	....	structure	....
rotten	....	fermentation	....
without	....		

Mistaken words

Homework

1. Complete:

1. Melting of any solid is a .... change.
2. .... and .... are examples for physical change
3. Rusting of Iron is considered a .... change.
4. The chemical change is a change in ....
5. Burning of wood is considered as a .... change.
6. Evaporation of water is considered a .... change.
7. Melting of wax is considered a .... change.
8. .... and .... are forms of chemical changes.
9. Rotten of fruits is considered as a .... change.
10. Melting of ice is considered as a .... change

2. Put (✓) or (✗)

1. Condensation forming rain water is a chemical change. (   )
2. Melting of wax forming wax drops is a chemical change.(   )
3. Rusting of iron does not change the structure of iron. (   )
4. Fermentation of fruits is a physical change. (   )
5. The change of paper to black ash is a physical change. (   )
6. Melting of ice is not a chemical change. (   )
7. Burning a match stick is considered a physical change. (   )

3. Choose the correct answer:

1. Putting a bottle of water in the freezer of a refrigerator for a period of 24 hours causes a .... to water

a. physical change   b. change in structure c. chemical change

2. .... is a physical change

a. Wood combustion   b. burning of sugar

c. iron rusting   d. water freezing

3. .... belongs to chemical changes.

a. Burning of a candle   b. Ice melting   c. Water freezing

4. Freezing of water is considered as ....

a. physical change   b. chemical change   c. a new substance

5.The physical change is a change in ....

a. the taste of matter   b. the structure of matter

c. the appearance of matter   d. (a) and (c)

6. On leaving iron wires in water and air for few days ....

a. their colour changes   b. a chemical change takes place

c. a physical change takes place   d. (a) and(b)

طحن	ذوبان	طباشير	خميرة	خبز
grinding	dissolving	chalk	yeast	baking
grinding	dissolving	chalk	yeast	baking

إنتاج production	زبادي yoghurt	تقليب stirring	إعادة تدوير recycling
production	yoghurt	stirring	recycling

1. Write the following words in English.

إعادة تدوير ________

ذوبان ________

زبادي ________

طباشير ________

خبز ________

طحن ________

إنتاج ________

خميرة ________

تقليب ________

Mistaken words

____

____

____

2. Write the following words in Arabic.

grinding	....	production	....
yoghurt	....	recycling	....
chalk	....	dissolving	....
stirring	....	baking	....
yeast	....		

Mistaken words

Homework

1. Complete:

1. Adding yeast in baking is considered a ……………….. change.
2. The dissolving of sugar in water is a ……………….. change.
3. Fermentation of fruits produces a new ....
   with new ....
4. Ductility of copper into wires is a ……………….. change.
5. Adding table salt to water with stirring produces ………. change.
6. Grinding of sugar is considered a …………………… change
   while its burning is a …………………. change
7. Cutting of bread is a .... change.

2. Write the scientific term:

1. A change occurs during paper recycling.
2. It is the change in the structure of matter to form
   a new substance with different properties.
3. It is the change in the shape of matter not in its structure.
4. A change occurs when we produce yoghurt from milk.

3. Give reason:

1. Burning paper is chemical change

....

2. Cutting paper is physical change.

....

3. Iron used in building is painted with zinc or plastic

....

Revision

1. Complete:

1. .... is a liquid-metal, while sulphur is a ....
2. A matter has .... and ....
3. The change of matter from the solid state into the liquid state is accompanied with ....
4. Matter that takes the shape of its container and its volume cannot be changed is ....
5. Measuring tape is used for measuring ....
6. .... is a tool used for measuring the volume of irregular solid bodies and liquids.

7. Matter can be pressed in case of its .... state.

8. Adding .... to gold in order to reshape it into jewelry.

9. Electric wires are made up of ....

10. .... can be bent, while .... cannot be bent.

11. Gold and silver are used in manufacturing ....

12. poles of electric cells are made up of ....

13. We use .... in manufacturing bridges.

14. There are a definite shape and a definite volume in the .... State.

15. States of matter are ...., ... and ....

2. Write the Scientific term:

1. A metallic element that is used in making bridges .
2. The space that is occupied by the object.
3. The change of water from the gaseous state to the liquid state by cooling.
4. The change of water from the liquid state to the gaseous state by heating.
5. The amount of matter that the object contains.
6. The simplest form of matter that can't be analyzed into two substances or more.

7. A state that has definite volume and indefinite shape.

8. The transfer of ice into water by heating.

9. Everything that has a mass and occupies a part of space.

3. Choose the correct answer:

1. which of the following is considered a chemical change that happens to a piece of paper?

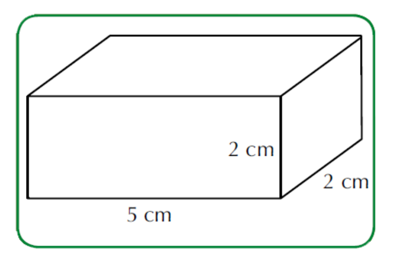
a. bending it b. cutting it into pieces c. burning it

2. The carbon is characterized with ....

a. good conductor of heat

b. good conuctor of electricity

c. malleable and ductile.



3. The volume of the box shown in the figure = ... cm^3

a. 30 b. 25 c. 20

4. which of the following is considered as a physical change?

a. Burning of fuel b. melting of a candle c. Iron rust

3. On decreasing the temperature of water vapour, it ....

a. freezes b. condenses c. melts.

7. The change produced as a result of malleability of copper into wires is the same change produced from..........

a. making bread b. melting of wax c. burning of coal

4. What happen when …… and give reason:

1. Putting a little sugar in a beaker over a flame?

………………………………………………………………………………

………………………………………………………………………………

2. Boiling of water and exposing the product to a cold surface?

………………………………………………………………………………

………………………………………………………………………………

3. Putting a bottle of water in the freezer?

………………………………………………………………………………

………………………………………………………………………………

4. Putting a piece of wet iron in a jar filled with a dry oxygen?

………………………………………………………………………………

………………………………………………………………………………

5. What is meant by:

1. Metals: ………………………………………………………………

2. Melting: ……………………………………………………………

3. Mass: ………………………………………………………………

5. Give Reasons:

1. Burning wood is chemical change

....

2. Air is a gaseous matter.

....

3. Appearance of some water droplets on the plant leaves.

....

4. Iron is an element.

....

5. Gold and silver are used in making jewelers.

....

6. Electric wires are made of copper.

....

7. Iron ,copper and aluminum are good conductors of heat.

....

8. Handles of cooking pots are made of wood or plastic.

....

9. Air is a matter.

....

10. Melting wax is physical change.

....


Notes


ذاكرولو
تفوقك في أي مذكرة عليها العلامة دي
www.facebook.com/groups/zakrolypr4

لامع	فراغ فسيح	يبدو	المجموعة الشمسية
shiny	vast vacuum	seem	solar system
shiny	vast vacuum	seem	solar system

الكواكب planets	كويكبات asteroids	مذنبات comets	شهب meteors
planets	asteroids	comets	meteors

نيازك	تشع	تشع	أقرب	تقع
meteorites	emits	radiates	nearest	lie
meteorites	emits	radiates	nearest	lie

يدور	حول	ثابت	مدارات	فضائي
revolve	around	fixed	orbits	celestial
revolve	around	fixed	orbits	celestial

1. Write the following words in English.

كويكبات	______	حول	______
ثابت	______	كواكب	______
مذنبات	______	يبدو	______
تشع	______	تشع	______
أقرب	______	نيازك	______
يدور	______	تقع	______
فضائي	______	لامع	______
شهب	______	مدارات	______
		فراغ فسيح	______
		المجموعة الشمسية	______

Mistaken words

______

______

______

2. Write the following words in Arabic.

fixed .... planets ....

comets .... revolve ....

orbits .... asteroids ....

emits .... around ....

meteorites .... nearest ....

meteors .... shiny ....

celestial .... lie ....

radiates .... seem ....

solar system ....

vast vacuum ....

Mistaken words

Homework

1. Complete:

a. The stars are ……….. bodies while the ………. are dark bodies.

b. ……………… are shiny bodies.

c. .... is the biggest body in the solar system.

d. The sun radiates …………………. and ………………….

e. There are ………………… planets in the solar system.

f. The solar system consists of ...., ..., ... and other celestial bodies.

g. At night the big stars in the sky look ………………..., because they are ……….. from us.

h. The solar system consists of eight ……………

i. Planets revolve around the sun in ………………….. path.

2. Write the scientific term:

a. The largest body in the solar system.

b. Dark bodies revolve around the sun and don’t emit light.

c. Shinning objects radiate light and heat and appears in the sky at night.

d. Moons, meteors, sun, eight planets, asteroids, comets and meteoroids.

3. Choose the correct answer:

1. The stars ....

a. are lightning bodies. b. are dark bodies.

c. are bodies that don't emit light & heat.

2. The central body of the solar system is the.........

a. Earth b. sun c. moon d. comets

3. The sun is one of ....

a. planets b. moons c. stars d. Asteroids

4. The number of stars in the solar system is ....

a. zero b. one c. eight d. nine

5. The sun is a star because it ....

a. absorbs light b. reflects light c. radiates light

d. let light pass through

6. The sun is a .... sized star.

a. small b. medium c. large d. huge

7. The number of the planets in the solar system is ....

a. 4 b. 6 c. 8 d. 9

4. Give reason:

a. The stars seem very small in size.

....

b. The sun seems bigger to us than the other stars.

....

خصائص	جميل	يعيش	أكثر برودة
properties	beautiful	live	coldest
properties	beautiful	live	coldest

أبعد farthest	يعكس reflect	توابع followers	يمتص absorb
farthest	reflect	followers	absorb

1. Write the following words in English.

جميل ____________

أبعد ____________

يعيش ____________

يمتص ____________

يعكس ____________

أكثر برودة ____________

توابع ____________

خصائص ____________

Mistaken words

____

____

____

2. Write the following words in Arabic.

absorb ....

farthest ....

beautiful ....

reflect ....

coldest ....

live ....

followers ....

properties ....

Mistaken words

Homework

1. Complete:

1. Planets revolve around ...., while moons revolve around ....
2. The third planet away from the sun is ....
3. The earth is located between .... and ....
4. The nearest planet to the sun is ...., while the biggest planet is ....
5. Mercury is the .... Planet to the sun .
6. Mars is known as .... , while Neptune is the ....
7. .... is the blue planet, while Uranus is the .... planet.
8. The moon is dark but it seems shiny as it .... the sunlight.
9. The .... is the smallest planet, while .... is the farthest planet from the sun.

2. Write the scientific term:

a. The planet that has colored rings around it.

b. The most beautiful planet.

c. The followers of planets revolve around some planets.

d. the planet where we live.

e. Dark objects revolve around the earth and reflect the sunlights.

3. Choose the correct answer:

1. We see the moon shinning because it..........

a. absorbs light b. reflects light c. radiates light

d. lets light pass through it light pass.

2. The biggest planet is..................

a. The earth b. Mercury c. Neptune d. Jupiter

3. The red planet is ………….

a. Jupiter b. Mercury c. Mars

4. The nearest planet to the sun is..................

a. The earth b. Mercury c. Neptune d. Jupiter

5. ………………. is dark body that reflects sunlight.

a. Star b. Moon c. Mars

6. …………… planet lies between Mercury and Earth planets.

a. Saturn b. Jupiter c. Venus

7. The blue planet is ……………

a. Neptune b. Mars c. Jupiter

4. Give reason:

a. The sun is a star while the earth is a planet.

....

b. The moon is dark body but we see it shining.

....

5. compare the planet to the star.

Points of comparison	Planet	Star
a) Definition		
b) Examples		





Homework

1. Complete:

1. .... is the blue planet, while Uranus is the .... planet.
2. Mercury is the .... Planet to the sun .
3. The solar system consists of eight ....
4. Planets revolve around the sun in .... path.
5. .... is the biggest body in the solar system.
6. .... are shiny bodies.
7. There are .... planets in the solar system.
8. The .... is the smallest planet while ....
   is the farthest planet from the sun.
9. The sun radiates .... and ....
10. The earth is located between .... and ....
11. The stars are .... bodies while the .... are dark bodies.
12. The third planet away from the sun is ....
13. The nearest planet to the sun is ....
    while the biggest planet is ....
14. The moon is dark but it seems shiny as it .... the sunlight.
15. Mars is known as .... , while Neptune is the ....
16. The .... is located in the center of the solar system and
    there are .... revolving around it in definite orbitals.

2. Write the scientific term:

1. The followers of planets revolve around some planets.
2. Shinning objects radiate light and heat and appears in the sky.
3. Dark bodies revolve around the sun and don't emit light.
4. The most beautiful planet.
5. The planet that has colored rings around it.
6. The largest body in the solar system.
7. the planet where we live.
8. Dark objects revolve around the earth and reflect the sun rays falling on them.

3. Give reason:

a. The stars seem very small in size.

....

b. The sun is a star while the earth is a planet.

....

c. The sun seems bigger to us than the other stars.

....

d. The moon is dark body but we see it shining.

....

4. Choose the correct answer:

1. The sun is a .... sized star.

a. small b. medium c. large d. huge

2. .... planet lies between Mercury and Earth planets.

a. Saturn b. Jupiter c. Venus

3. The number of the planets in the solar system is ....

a. 4 b. 6 c. 8 d. 9

4. The blue planet is ....

a. Neptune b. Mars c. Jupiter

5. We see the moon shinning because it.........

a. absorbs light b. reflects light c. radiates light

d. lets light pass through it light pass.

6. The stars ....

a. are lightning bodies. b. are dark bodies.

c. are bodies that don’t emit light & heat.

7. The central body of the solar system is the.........

a. Earth b. sun c. moon d. comets

8. The number of stars in the solar system is ....

a. zero b. one c. eight d. nine

9. The nearest planet to the sun is..................

a. The earth b. Mercury c. Neptune d. Jupiter

10. The sun is one of ....

a. planets b. moons c. stars d. Asteroids

11. The red planet is ………….

a. Jupiter b. Mercury c. Mars

12. The sun is a star because it ....

a. absorbs light b. reflects light c. radiates light

d. let light pass through

13. ………………. is dark body that reflects sunlight.

a. Star b. Moon c. Mars

14. The biggest planet is..................

a. The earth b. Mercury c. Neptune d. Jupiter

تشرق	الشرق	الغرب	ظاهرة	يحدث
rise	East	West	phenomenon	occur
rise	East	West	phenomenon	occur

دوران	نهار	نفسه	محور	الظاهرية
rotation	day	itself	axis	apparent
rotation	day	itself	axis	apparent

حركة movement	ظل shadow	مائل inclined	نصف الكرة hemisphere
movement	shadow	inclined	hemisphere

يواجه	تعاقب	يسبب	يصبح	أثناء / خلال
face	sequence	cause	become	during
face	sequence	cause	become	during

1. Write the following words in English.

الشرق	______	ظاهرة	______
حركة	______	دوران	______
مائل	______	محور	______
تعاقب	______	تشرق	______
يحدث	______	ظل	______
نهار	______	يسبب	______
الغرب	______	نفسه	______
يواجه	______	يصبح	______
خلال	______	الظاهرية	______
		نصف الكرة	______

Mistaken words

______

______

______

2. Write the following words in Arabic.

itself .... West ....
rise .... axis ....
shadow .... face ....
occur .... become ....
during .... cause ....
apparent .... inclined ....
rotation .... East ....
sequence .... movement ....
phenomenon .... day ....
hemisphere ....

Mistaken words

Homework

1. Complete:

1. The axis of the Earth is ……………………
2. The earth rotates around …………… and ……………
3. The Earth rotates around its axis once every ………………
4. The Sun rises from ………….. and sets at …………
5. Sequence of day and night occurs due to the …………………

2. Choose the correct answer:

1. Sequence of day and night occurs due to the …………………

a. rotation of the Earth around the sun

b. rotation of the Earth around its axis

c. rotation of the Sun around its axis

d. all the previous answers

2. The Earth axis is……………………

a. vertical b. inclined c. horizontal

3. The apparent movement of the sun means ……………………

a. the sun revolves around itself.

b. the earth revolves around its axis.

c. The earth revolves around planets.

4. Give reason:

a. The apparent rotation of the Sun.

……………………………………………………………………………

b. The movement of shadow of any body

……………………………………………………………………………

فصول السنة seasons	الصيف summer	الربيع spring	الخريف autumn	الشتاء winter
seasons	summer	spring	autumn	winter

غروب الشمس	شمالي	اختلاف / فرق	رأسي	مناسب
sunset	northern	difference	vertical	suitable
sunset	northern	difference	vertical	suitable

1. Write the following words in English.

مناسب	________	الصيف	________
الربيع	________	رأسي	________
شمالي	________	اختلاف	________
الخريف	________	الشتاء	________
		غروب الشمس	________
		فصول السنة	________

Mistaken words

____

____

____

2. Write the following words in Arabic.

summer ……………… suitable ………………

northern ……………… autumn ………………

winter ……………… sunset ………………

vertical ……………… seasons ………………

difference …………… spring ………………

Mistaken words

Homework

1. Complete:

1. In the .... season, day is shorter than night.
2. In the .... season, the day is longer than the night.
3. The Earth rotates around the sun once every ...., while it rotates around its axis once every ....
4. Summer season occurs in .... when the northern hemisphere is inclined away from the Sun.
5. The day in the ……………… season is longer than in the ……………………..season.
6. The day is longer than night in ....
7. The sequence of the four seasons occurs due to ....
8. The hours of day are equal to the hours of night in the ………………… and …………………… seasons.
9. The Earth's axis is inclined. This causing the difference between ....

2. Write the scientific term:

1. A phenomenon occurs when the Earth rotates around its axis.
3. Seasons in which hours of day are nearly equal to those of night.
3. A season in which day is longer than night.
4. A season in which day is shorter than night.

3. Put (✓) or (✗):

1. The Earth rotates around the Sun every 300 days. ( )
2. Earth revolves around the sun in 365¼ days. ( )
3. The Earth rotates around its axis every day. ( )
4. The rotation of the Earth around the Sun leads to the sequence of the four seasons. ( )
5. The sun seems to be risen from the west. ( )
6. The Earth rotates around the Sun every month. ( )
7. The day in summer season is longer than night. ( )
8. The movement of shadow of any fixed object exposed to the sunlight is due to apparent movement of the sun. ( )
9. In winter and summer seasons, the day hours are equal to the night hours. ( )
10. The Sun does not rotate around the Earth. ( )
11. The day is nearly equal to night in summer and autumn. ( )

4. Correct the underlined word:

1. Earth rotates around its self once every <u>28 days</u>.
   (.............................)
2. Day during summer season is <u>shorter</u> than day during winter season. (.............................)
3. The length of day equals the length of night in <u>summer</u> and spring. (...................................)

5. Choose the correct answer:

1. During the winter season ....

a. the day becomes longer than night.

b. the day and night are equal.

C. the northern hemisphere of the earth is inclined away from the sun

2. Earth rotates around the sun once every.......................

a. 365 – day b. 365 day c. 24 hours

3. The number of day hours is equal to the number of night hours in ....

a. summer b. winter c. spring d. all of the seasons

4. The part of earth that faces the sun..........

a. doesn't get light. b. is at daytime. c. is at night.

5. The inclination of earth's axis causes..................

a. sequence of day and night b. sequence of four seasons.

c. the hours of day are not equal to the hours of night.

6. Time of sunset – time of sunrise equals ....

a. length of day. b. length of night. c. length of year.

6. Give reason:

a. The sequence of Day and Night

....

b. The occurrence of the four seasons.

....

a. Day time in summer longer than in winter.

....

b. The hours of day are not equal to the hours of night.

....

7. What happen when:

1. The Earth's axis becomes vertical.

   ....

2. The sun faces a part of the Earth.

   ....

3. The Earth revolves around the sun once every year.

   ....

4. The Earth rotates around its axis

   ....

8. Look at the following table which represents time of sunrise and time of sunset, then answer:

Day	Time of sunrise	Time of sunset
	Hour : Minute	Hour : Minute
first day	6 : 43	5 : 43
second day	5 : 44	7 : 44

1. Calculate the hours of daytime for each day.
2. Write the name of the suitable season for each day in the table.


Notes


ذاكرولو
تفوقك في أي مذكرة عليها العلامة دي
www.facebook.com/groups/zakrolypr4